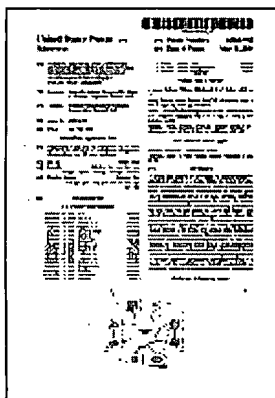Google Patent Search | personalized product presentation | | Search Patents | Sign in

System, method, and computer program product for presenting multimedia ... James A. Reimer et al

Patent summary

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Abstract | Drawing | Description | Claims

Abstract
A system and method for providing on demand access to information related to a movie while the movie is being presented to a user, where the movie was generated from the movie related information, are described. The system operates by presenting the movie to the user, and then receiving from the user a query pertaining to the movie. The system determines a frame of the movie that was being presented to the user when the user issued the query (the system may extract this information from the query, or may extract this information from the movie itself). The system identifies, as specified by the query, portions of the movie related information relating to the frame, and retrieves those portions of the movie related information. These retrieved portions of the movie related information are presented to the user. Also discussed is a manager to enable users to create personalized versions of movies, and personalized collections of items. Also discussed is a system and method for...

Claims
What is claimed is:

1. A method of enabling a user to operate with a personalized version of a movie, comprising the steps of:

(1) enabling said user to modify an edit decision list associated with said movie, said edit decision list having entries for at least some of at least one of scenes, clips, and takes in said movie, said modified edit decision list storing at least information sufficient to locate movie related information pertinent to generation of said movie; and
(2) presenting to said user said personalized version of said movie in response to a request from said user;
wherein step (1) comprises the steps of:
  receiving from said user information identifying a particular portion of said movie;
  retrieving information corresponding to said particular portion of said movie; and
  enabling said user to add any part of said retrieved information corresponding to said particular portion of said movie to said personalized version of said movie.

2. The method of claim 1, wherein step (2) comprises the steps of:

(a) retrieving an entry from said modified edit decision list;
(b) retrieving one or more digitized frames specified by said retrieved entry; and
(c) presenting said digitized frames to said user.

3. The method of claim 1, further comprising the step of:

(3) receiving from said user a query pertaining to said personalized version of said movie.

4. The method of claim 3, wherein said query is one of the following query types:

(a) a "who is this?" query;
(b) a "what other films has this director worked on?" query;
(c) a "when did this happen?" query; and
(d) a "why?" query.

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Citations

Patent Number	Title	Issue date
4305131	Dialog between TV movies and human viewers	Dec 8, 1981
4931950	Multimedia interface and method for computer system	Jun 5, 1990
5053956	Interactive system for retail transactions	Oct 1, 1991
5111409	Authoring and use systems for sound synchronized animation	May 5, 1992
5231566	Method and apparatus for producing a catalog	Jul 27, 1993
5307456	Integrated multi-media production and authoring system	Apr 26, 1994
5309355	Automated sales system	May 3, 1994

5. The method of claim 4, wherein processing of a "who is this?" query involves accessing one or more of an Actor in Take table, a Character In Scene table, and an Actor Play Character table, and wherein processing of a "what other films has this director worked on?" query involves accessing one or more of an One Movie Credit table and an All Movies Credit table, and wherein processing of a "when did this happen?" query involves accessing one or more of a Time In Story table and a Take Details table.

6. A system of enabling a user to operate with a personalized version of a movie, comprising:

edit decision list modifying means for enabling said user to modify an edit decision list associated with said movie, said edit decision list having entries for at least some of at least one of scenes, clips, and takes in said movie, said modified edit decision list storing at least information sufficient to locate movie related information pertinent to generation of said movie; and
presenting means for presenting to said user said personalized version of said movie in response to a request from said user;
wherein said edit decision list modifying means comprises:
means for receiving from said user information identifying a particular portion of said movie;
means for retrieving information corresponding to said particular portion of said movie; and
means for enabling said user to add any part of said retrieved information corresponding to said particular portion of said movie to said personalized version of said movie.

7. The system of claim 6, wherein said presenting means comprises:

means for retrieving an entry from said modified edit decision list;
means for retrieving one or more digitized frames specified by said retrieved entry; and
means for presenting said digitized frames to said user.

8. The system of claim 6, further comprising:

means for receiving from said user a query pertaining to said personalized version of said movie.

9. The system of claim 8, wherein said query is one of the following query types:

(a) a "who is this?" query;
(b) a "what other films has this director worked on?" query;

5319455	System for distributing customized commercials to television viewers	Jun 7, 1994
5345549	Multimedia based security systems	Sep 6, 1994
5353391	Method apparatus for transitioning between sequences of images	Oct 4, 1994
5367621	Data processing method to provide a generalized link from a reference point in an on-line book to an arbitrary multimedia object which can be dynamically updated	Nov 22, 1994
5388993	Method of and system for demonstrating a computer program	Feb 14, 1995
5404316	Desktop digital video processing system	Apr 4, 1995
5414808	Method for accessing and manipulating library video segments	May 9, 1995
5440678	Method of and apparatus for creating a multi-media footnote	Aug 8, 1995
5451998	Home shopping video catalog	Sep 19, 1995

(c) a "when did this happen?" query; and
(d) a "why?" query.

10. The system of claim 9, wherein processing of a "who is this?" query involves accessing one or more of an Actor in Take table, a Character In Scene table, and an Actor Play Character table, and wherein processing of a "what other films has this director worked on?" query involves accessing one or more of an One Movie Credit table and an All Movies Credit table, and wherein processing of a "when did this happen?" query involves accessing one or more of a Time In Story table and a Take Details table.

11. A computer program product having control logic stored therein, said control logic, when executed by a computer, enabling the computer to enable a user to operate with a personalized version of a movie, said control logic comprising:

edit decision list modifying means for enabling the computer to enable said user to modify an edit decision list associated with said movie, said edit decision list having entries for at least some of at least one of scenes, clips, and takes in said movie, said modified edit decision list storing at least information sufficient to locate movie related information pertinent to generation of said movie; and
presenting means for enabling the computer to present to said user said personalized version of said movie in response to a request from said user;
wherein said edit decision list modifying means comprises:
means for enabling the computer to receive from said user information identifying a particular portion of said movie;
means for enabling the computer to retrieve information corresponding to said particular portion of said movie; and
means for enabling the computer to enable said user to add any part of said retrieved information corresponding to said particular portion of said movie to said personalized version of said movie.

12. The computer program product of claim 6, wherein said presenting means comprises:

means for enabling the computer to retrieve an entry from said modified edit decision list;
means for enabling the computer to retrieve one or more digitized frames specified by said retrieved entry; and
means for enabling the computer to present said digitized frames to said user.

5485611	Video database indexing and method of presenting video database index to a user	Jan 16, 1996
5515490	Method and system for temporally formatting data presentation in time-dependent documents	May 7, 1996
5539450	Methods and systems for providing additional service applications in pay television	Jul 23, 1996

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6243725	List building system	Jun 5, 2001
6400996	Adaptive pattern recognition based control system and method	Jun 4, 2002
6651251	System and method for linking video, services and applications in an interactive television system	Nov 18, 2003
6693648	Pointer interactive apparatus	Feb 17, 2004
6714920	Information processing apparatus and	Mar 30, 2004

	information processing method	
6775842	Method and arrangement for transmitting and receiving encoded images	Aug 10, 2004
6795789	System for testing of intelligent electronic devices with digital communications	Sep 21, 2004
6859936	Method and system for producing program-integrated commercials	Feb 22, 2005
6959419	Audience information collecting system, audience information collecting method, and information providing method	Oct 25, 2005
7024381	Approach for renting items to customers	Apr 4, 2006
7168086	Proxy for video on demand server control	Jan 23, 2007
7209917	Digital asset data type definitions	Apr 24, 2007
7240075	Interactive generating query related to telestrator data designating at least a portion of the still image frame and data identifying a user is generated from the user designating a selected region	Jul 3, 2007

	on the display screen, transmitting the query to the remote information system	
7260312	Method and apparatus for storing content	Aug 21, 2007
7272300	Method and apparatus for storing content	Sep 18, 2007